

THE BULLETIN

UNIVERSITY OF TORONTO

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30,000 World Youth Day Visitors Expected

By Lanna Crucefix and Sandy Richards

U OF T'S CATHOLIC COMMUNITY IS gearing up for an extraordinary week as hundreds of thousands of youth from around the world flock to Toronto for World Youth Day 2002 from July 23 to 26.

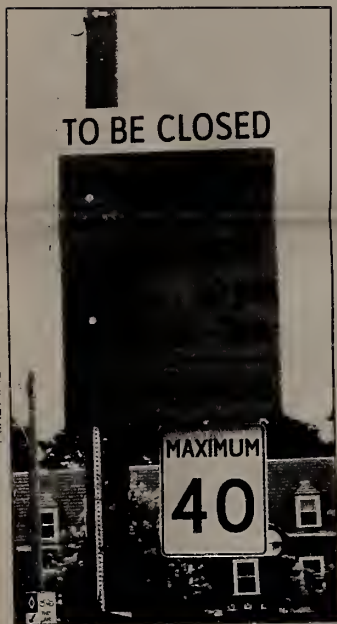
An international celebration of the Catholic faith that occurs every other year, World Youth Day will unite young people from around the world to share spiritual and cultural experiences. According to Father Terry Kersch, Chaplain at the University of St. Michael's College, over 30,000 people are expected to visit U of T during the event.

closed all day Friday, July 26 for The Way of the Cross procession. The parade will begin at 7:30 p.m. at Nathan Phillips Square and end at the Royal Ontario Museum at 11 p.m. Because the procession will stop at the northwest corner of College and University at 9 p.m., there will be limited access to some U of T buildings and grounds. The Tanz Neuroscience Building will be accessible to cardkey holders only on July 26 and the auditorium of the Medical Sciences Building and outer lobby will be restricted from Thursday, July 25 to Saturday, July 27.

In addition, access will be restricted at the Museum, Queen's Park, St. Patrick and Osgoode subway stations. The west entrances to these stations will be closed beginning at 10 a.m. while the east entrances will remain open until 6 p.m. Subway stations will reopen once the procession has passed.

Road traffic around the university will also be affected. University Avenue and Queen's Park Crescent will be closed to traffic in both directions between Queen and Bloor. Wellesley Street will also be closed from Bay to Hart House Circle. Hoskin Avenue will be closed at Queen's Park beginning at 10 p.m. on Thursday, July 25, reopening at 8 a.m. on Saturday, July 27.

The university will operate as usual on July 26 but faculty, staff and students are encouraged to leave their offices by 4:30 p.m. to avoid crowds.



Some roads and buildings will be restricted during the celebrations. University Avenue will be

Staff Member Dies in Traffic Accident

By Ailsa Ferguson

JON THOMAS KAMEOKA, A STAFF member at the Adaptive Technology Resource Centre, was killed in a traffic accident July 9. He was 38 years old.

Kameoka, who was left disabled after undergoing neurosurgery to remove a brain tumour at the age of 18, had disembarked from a bus at the corner of Hoskin Avenue and St. George Street when he apparently stumbled and fell under the rear wheels of the vehicle.

"This is a great tragedy," said Carole Moore, chief librarian. "Jon was a well-known and valued colleague."

Kameoka joined the staff of the Adaptive Technology Resource

Centre in 1994 after receiving a BA in business administration from Brock University. His duties as an adaptive technology technician included the installation, set-up, configuration and troubleshooting of software and hardware as well as routine maintenance "and trying to fix any other problems with the computer systems before they get out of hand," as he noted on his Web page. He also provided students with support in the installation of adaptive technologies across campus and provided remote support by e-mail as needed.

"Persistent" is how Laurie McArthur, assistant manager of the centre, described Kameoka in a

-See STAFF Page 4-

LAST STAND



After nearly 80 years as a local landmark, U of T's crumbling Varsity Stadium is being torn down. The university has been unable to use the eastern stands for several years because of safety concerns and officially closed the stadium in December 2001. Plans for revitalization of the site are still being developed following students' rejection last April of a levy that would have helped fund a new athletic and recreation centre and stadium.



TOP PHOTO: MIKE ANDRECHUK

Safety Record Good, Could Be Better

By Jessica Whiteside

BETTER THAN AVERAGE ISN'T GOOD enough when it comes to U of T's health and safety record, say representatives of both the administration and employees.

The university's 2001 health and safety report shows it is performing slightly better than the average of its peers in the Workers' Safety and Insurance Board's colleges and universities rate group — earning a rebate of \$137,000 on its WSIB assessment.

The frequency of work time lost to accidents for U of T as a whole in 2001 was 0.7 per cent (seven accidents per 1000 employees) — compared with three per cent for the Canadian and Ontario industrial average and under 0.5 per cent for companies with world-class safety records. However, rates among different employee groups ranged from 0.03 per cent for academics and librarians up to 21 per cent for the skilled trades (which includes plumbers, electricians, operating engineers, carpenters, etc.).

Ongoing concerns relate to asbestos, mould and air quality in

buildings and ergonomics of computer workstations. The largest number of accident claims was related to sprains and strains from overexertion or falls, with repetitive strains the leading cause of days lost.

"To the extent that any of these accidents are preventable, then I think we should be preventing them. If we're not, it's simply not acceptable," said Professor Angela Hildyard, vice-president (human resources), who presented the report to Business Board June 20. "My goal would be to say what is best practice — and then see what the university may do in partnership with our unions. We all have a responsibility to ensure we work in a healthy and safe environment."

Mary Ann DeFrancis, health and safety chair for United Steelworkers of America, Local

1998, said she suspects accident reports would decrease "if more credence was given to the fact that the workers are the eyes and the ears of the university" with legitimate safety concerns. "If the University of Toronto wants to be first in research and first in teaching, it should strive to be absolutely first in safety for the students and staff," she said.

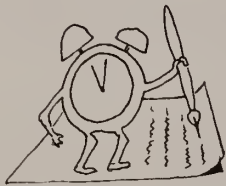
Hildyard's goal is to see U of T considered an institution of best practices for health and safety. To that end, external consultants have been reviewing the safety record to suggest improvements. In the next six months, the university will also audit its health and safety initiatives using new WSIB "work well audit" guidelines, examining issues such as how well health and safety are incorporated into job descriptions and training.

INSIDE

LOOKING BACK, FACING FORWARD
As Cecil Yip retires from one job, he takes on the challenge of another. Profile. Page 5



IN BRIEF



BERNSTEIN NAMED TO ORDER OF CANADA

PROFESSOR ALAN BERNSTEIN OF MEDICAL GENETICS AND MICROBIOLOGY, ONE OF Canada's leading health research scientists and administrators, was among the 99 distinguished Canadians named to the Order of Canada July 4. Appointed an officer, the order's second highest designation after companion, Bernstein is known as a pioneer in gene therapy and a leader in the field of experimental sciences. Currently president of the Canadian Institutes of Health Research, Bernstein is former director of the Samuel Lunenfeld Research Institute at Mount Sinai Hospital and has served in various volunteer roles including 12 years as adviser to the National Cancer Institute of Canada. Established in 1967, the Order of Canada is this country's highest honour for lifetime achievement.

GREENHOUSE MOVES, UNIVERSITY PICKS UP TAB

THE GRACEFUL GLASS-DOMED PAVILION OF THE GREENHOUSE AT THE CORNER of University Avenue and College Street will be disassembled in preparation for a move to Allan Gardens, six blocks east at College and Jarvis. U of T's Victorian-era greenhouses no longer meet the functional research needs of the botany department and new facilities have been constructed atop the Earth Science Centre. In order to preserve the architecturally significant elements of the old greenhouse while freeing the site for the new Leslie L. Dan Pharmacy Building, the university negotiated with the City of Toronto to move the central portion of the glass structure adjacent to the Allan Gardens greenhouses at a cost of \$1 million, or roughly \$800 per square foot. The project is expected to take some 10 months to complete.

TRI-CAMPUS FRAMEWORK APPROVED

A PLAN TO REVISE THE ACADEMIC ADMINISTRATIVE STRUCTURE OF U OF T's three campuses was approved by Governing Council June 27. Professor Carolyn Tuohy, interim vice-president (research and international relations), told council that the restructuring allows each campus to develop a distinct identity while remaining an integral part of the university. U of T at Mississauga, currently part of the Faculty of Arts and Science, will become a distinct faculty with its own departments and academic chairs. At U of T at Scarborough, already a separate faculty since 1972, academic divisions will be renamed as departments. Also, department chairs will report to the newly created position of vice-president (academic) and dean. The campus principals — who will receive new, as-yet undetermined titles — will report directly to the president on matters of campus management and to the provost's office on academic appointments, programming and budgets. However, said President Robert Birgeneau, the university will maintain a single graduate program in order to maintain a strong and unified U of T brand.

FREE FEATURE FILMS ALFRESCO

AT DUSK ON THURSDAY, AUG. 8, BACK CAMPUS WILL BE TRANSFORMED INTO A giant walk-in theatre when U of T hosts a free outdoor movie night as part of 175th anniversary celebrations. Movie buffs will be able to catch films directed by Hollywood heavyweights (and U of T grads) Norman Jewison (*The Hurricane*) and David Cronenberg (*The Fly*). During intermission there will be music, contests and prizes. Families are encouraged to come with blankets and pillows. Spectators will be admitted via Hoskin Avenue, just east of St. George Street. Rain date is Friday, Aug. 9.

FINLAYSON NAMED PROVOST OF NEW UNIVERSITY

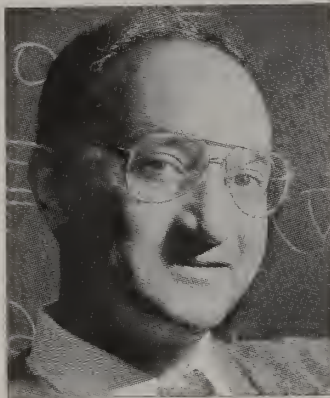
PROFESSOR MICHAEL FINLAYSON, A 34-YEAR MEMBER OF THE HISTORY department, will become provost of the new University of Ontario Institute of Technology in January 2003. Finlayson, whose research focuses on 17th-century English history, earned his PhD from U of T in 1968 and began lecturing that same year, eventually becoming chair of the history department. Over the years, he also held a broad array of other administrative positions including registrar of University College and president of the faculty association. He also served for a decade as vice-president (human resources) and vice-president (administration and human resources). "I think I've learned a great deal from serving with wonderful colleagues at the University of Toronto and perhaps I can apply what I've learned from colleagues at a new institution," he said. Finlayson is scheduled to retire from U of T at the end of 2002.

U of T Sweeps First Round of Medals

By Althea Blackburn-Evans

TWO U OF T RESEARCHERS WILL each receive \$1 million in research funding as the recipients of the newly created Premier's Platinum Medal for Research Excellence.

University Professors Sajeev John of physics and Tony Pawson of medical genetics and microbiology and Mount Sinai Hospital are the inaugural recipients of the medals. The prizes were established in last year's provincial budget and will be awarded annually for the next six years to two



Sajeev John

Ontario researchers in the middle stages of their careers.

John is a pioneer in condensed matter physics. He is responsible for introducing the concept of

localizing or "caging" light and for initiating the field of photonic crystals. This leading-edge research, which steers the flow of light in the same way that electricity is steered through microelectronic circuits, may result in the development of photonic computers using laser light to carry information instead of electric current. This would lead to faster, less expensive and more versatile tools in the computer and telecommunications industries.

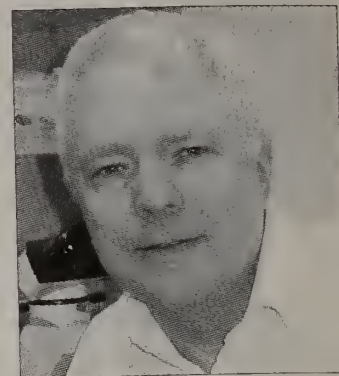
"The Premier's Platinum Award is a great honour for me and a big step in making Ontario the best place in the world for me to continue doing research," said John. "It will help me build and maintain the best available team of scientists and engineers in my field here at the University of Toronto."

John's other honours include the National Research Council's Steacie Prize, Guggenheim and Killam fellowships as well as the prestigious King Faisal International Prize in Science.

Director of research at Mount Sinai's Samuel Lunenfeld Research Institute, Pawson has demonstrated how cells communicate with each other using protein-protein interactions. His work has had a profound impact on virtually every aspect of biomedical research and

has furthered the understanding of cancer, immune deficiencies, cardiovascular disorders and diabetes.

"I'm extremely excited about the medal, both for what it means for me personally and as evidence of the continued enthusiasm on the part of the provincial government



Tony Pawson

for supporting basic research," Pawson said. "It will give me the liberty to dream and to undertake some high-risk projects in the areas of cell signalling and proteomics that would not be possible with conventional funding."

Pawson is a fellow of both the Royal Society of London and the Royal Society of Canada, winner of numerous national and international awards and one of the most widely cited scientists in his discipline.

Twelve Join Royal Society of Canada

By Janet Wong

PRESIDENT ROBERT BIRGENEAU and University Professor Sajeev John of physics are among 12 U of T scholars recently elected to the Royal Society of Canada, the country's most prestigious academic accolade.

Birgeneau and John, cited for their contributions in the area of mathematical and physical sciences, join 62 fellows from across Canada and around the world on the 2002 list of inductees. Birgeneau, one of Canada's foremost experimental physicists, has made numerous original contributions to our understanding of condensed matter systems. John has added to our understanding of the science of optics and condensed matter and is internationally recognized as the founder of a new branch of science related to photonic crystals.

Named to the Académie des Lettres et des Sciences Humaines are Professor Brian Merrilees of French, in recognition of his outstanding contribution to the understanding of Anglo-Norman literature and medieval French dictionaries, and Professor Emeritus Ben-Zion Shek of French for his seminal work in French-Canadian and Québec literature.

Joining the Academy of Humanities and Social Sciences are Professors Janice Boddy of anthropology at Scarborough, internationally renowned for her research on northern Sudan, David Cameron of political

science, one of the leading scholars of the Canadian federation; Morris Moscovitch of psychology; one of the world's foremost neuropsychologists; and Kent Roach of law, who has made outstanding contributions to our understanding of constitutional law and criminal justice.

Named to the Academy of Sciences are Professors Mitchell Halperin of medicine and St. Michael's Hospital, renowned for his contributions to the clinical diagnosis and treatment of electrolyte and acid-base disorders; Peter St. George-Hyslop of medicine, an international leader in research in human neurodegenerative diseases who was part of a team that discovered the gene responsible for the most severe form of Alzheimer's; Michael Tyers of

medical genetics and microbiology and Mount Sinai Hospital for his work on the eukaryotic cell cycle and his application of proteomic techniques to the mapping of protein interactions; and Cecil Yip, vice-dean (research) in the Faculty of Medicine for clarifying the structure and mechanism of the action of insulin and the insulin receptor.

As well, Professor Heather Munroe-Blum, former vice-president (research and international relations), was named a specially elected fellow. A scholar and policy leader of international reputation, Munroe-Blum is a champion of university-based research in Canada and the positioning of higher education and research in an international context.

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Law Allocation Approved

By Nicolle Wahl

GOVERNING COUNCIL APPROVED a \$3.7-million allocation from the Academic Priorities Fund for the Faculty of Law's five-year plan at its meeting June 27.

The allocation — which includes revenue from tuition increases and will provide \$1.7 million for student aid and \$1.35 million for student services and programs — is subject to subsequent council approval of yearly tuition increases. In May, council approved a \$2,000 increase for 2002-2003. The law school's five-year plan would see tuition rising annually, reaching \$22,000 in 2007-2008.

President Robert Birgeneau assured council that the university would be closely monitoring accessibility at the law school through annual reports prepared by an independent consultant. In his last council meeting as provost, Professor Adel Sedra added that U of T will not

introduce any yearly increases "without studies that can't stand scrutiny."

Governing Council member Susan Eng said accessibility is the cornerstone of the plan. "This is an important issue. We will ensure council takes a proactive role in this."

Chancellor Hal Jackman expressed concern that higher tuition fees may be prompting graduates to gravitate towards higher paying positions with the country's top law firms. "We may be making the U of T law school the best law school but it depends on how you define the best law school," he said.

The five-year plan calls for doubling of financial aid, the establishment of a bursary program for aboriginal students and support of 40 annual tuition-free scholarships in an effort to attract a broad range of the best students.

Sedra repeated the administration's undertaking to the governors that no further tuition

increases would occur without first bringing forward a report on the university's monitoring of accessibility to the program and possible career distortion.

"If we have higher tuition fees and set aside 30 per cent for financial aid, then we are able to provide great financial support for students from lower income backgrounds," he said. "We are committed to providing the best possible legal education and it requires money to do that."

Margaret Leighton of the law alumni coalition asked council to commit to making student financing the plan's top priority and stressed that the coalition, the Law Society of Upper Canada and Legal Aid Ontario have offered to work with U of T on the issue of tuition increases.

If council does not approve subsequent tuition increases, the Faculty of Law would need to revise its five-year-plan or find another source of revenue to fill the gap.

U of T Takes Purchasing Online

By Bruce Rolston

RESearchers will soon be spending less time on buying equipment and more time using it as a new Web-based purchasing system comes online next month.

The university's e-procurement initiative enters the "beta" testing stage in August, with five departments starting to purchase much of their computer, labware and office supplies entirely online. The new initiative could mean great savings in time and cost, said Stephen Whittaker, director of procurement services.

"E-procurement is going to revolutionize business processes that today impose tremendous barriers to effective use of our research and teaching resources," he said.

Once the project is in place, online purchases can be made from university-preferred vendors with the costs automatically

deducted from their financial accounts — and the supplies delivered directly to them.

According to Whittaker, a recent university survey showed laboratory technicians, who should rightly be researching, were spending 40 per cent of their time on purchasing. Ideally, the researcher's business office will never need to be involved in approving individual purchases, saving them time as well. And because the university has negotiated a price with the online vendors as a whole, the purchasing power of individual researchers will be much greater, he added.

"Currently, off-contract spending is costing the university millions in lost discounts [for volume]," he said.

Eddy Jin, manager of e-business systems, knows how time-consuming the standard practice can be. Before he joined

Whittaker's team, Jin had worked at and managed an aquatic ecology research lab at U of T at Mississauga (then Erindale College) for 13 years.

"Why should researchers spend time haggling over prices," he said. "We're not very good at that."

The new system for online purchasing will put U of T at the leading edge of Canadian universities in the field of online purchasing, Whittaker said. Obviously, he cautions, sometimes you still need to go out and shop for new or unique items but so much of university purchasing (such as, for instance, office supplies) is repetitive and standard enough that going to a retailer constitutes lost time and money.

Ultimately, the plan is to get 80 per cent of the university's procurement activity, which he estimates at \$65 million a year, online.

Education Vital to Urban Renewal

By Lanna Crucefix

AVITAL EDUCATION SYSTEM MUST BE ONE OF THE CITY'S top priorities in its urban renewal plans, said delegates at the Toronto city summit held last month at the Rotman School of Management.

The summit was organized by the mayor's office to assess Toronto's strengths, identify challenges and shape an agenda for the next 10 years.

"I think the fact that education comes first on the delegates' list of priorities is significant," said Professor Meric Gertler, holder of the Goldring Chair in Canadian Studies, who participated in a panel discussion on the role of municipalities in fostering innovation. "This event really awakened the business community to the urgency of the needs of the educational sector from early childhood right up to university and continuing education. Getting all these groups,

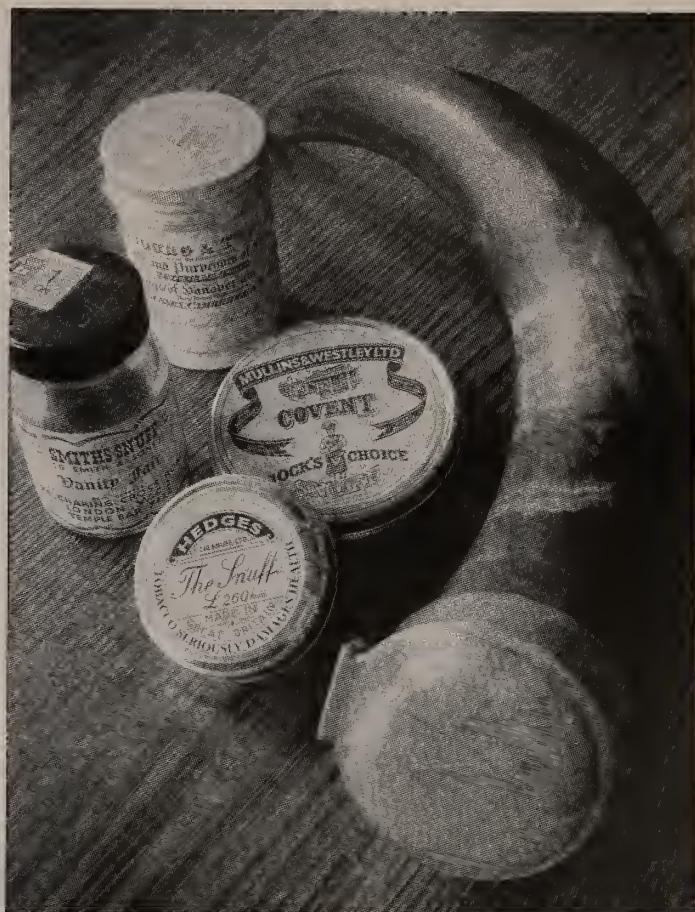
representing diverse interests, in the same room talking about the city's problems was quite an achievement."

According to Gertler, co-director of the program on globalization and regional innovation systems at the Munk Centre for International Studies, Toronto's neighbourhoods must maintain social and economic diversity if they want to contribute to a vibrant city with a good quality of life.

The two-day summit brought together delegates representing government, business, academia, labour, culture, media and religious and community groups from across Canada and the U.S. Sessions ranged from discussions on the city's labour force to its financial management. The final recommendations also called for greater investment in city infrastructure and immigration as well as increased access to other revenue sources.



CURIOSITIES



JEWEL RANDOLPH

SNUFF 'N STUFF

By MICHAH RYNOR

ALTHOUGH IT'S CALLED A HORN, IT ISN'T FOR MAKING MUSIC AND IT'S been many years since a bull used it for self-defence. Rather, this horn was used for storage — of snuff that is. And while seven long years have passed since the owner of all this paraphernalia was last seen wandering the grounds of Massey College, this horn and packages of powdered tobacco (some still unopened) remain as poignant reminders of famed author Robertson Davies. Born in Thamesville, Ont., in 1913, Davies wrote 11 celebrated novels (along with numerous plays) and was master of Massey from 1961 to 1981. After retirement he retained an office there right up until his death in 1995 at the age of 82.

Program Feeds Needy Kids

By Jessica Whiteside

SUNNY SKIES AND NO HOMEWORK in sight: what more could a kid ask from the summer holidays? For many, what's lacking is a square meal to get them through the day.

Some needy Toronto children who find themselves without subsidized school lunches during the summer will receive support from the Feeding Our Future program, a partnership among the University of Toronto, Sodexo and Second Harvest. For the third summer in a row, the partners are providing free weekday lunches to children from July 2 to Aug. 31. The lunches are delivered daily to children attending summer programs at Alexander Park Community Centre and St. Stephen's Community House, many of whom receive subsidized lunches during the school year.

"Certainly, for some kids, it's a good quality meal that maybe they wouldn't at other times get," said Fatima Alves, child care director at St. Stephen's Community House. She added that the Feeding Our Futures partners "seem to genuinely care" about the needs of hungry children. The lunch program even takes young recipients' food allergies into account, she said.

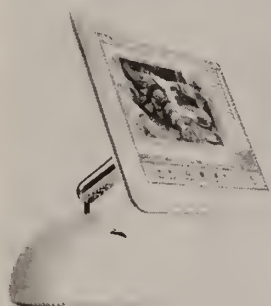
"Without their support, we just don't have the financial resources to be able to provide the quality and variety of food they've provided for us," said Alves. "It's a great way to promote healthy eating."

Feeding Our Futures will provide more than 10,000 meals this summer, double last year's total, through increased financial support from the Sodexo Foundation and food donations from Alfresh Beverages and Kraft Canada. Sodexo, a leading provider of food and facilities management in the U.S. and Canada, first introduced Feeding Our Future in the U.S. in 1998; the program has now spread to 13 cities across North America. While Sodexo donates food, preparation and labour costs for the Toronto program, U of T provides kitchen space and equipment for meal preparation and Second Harvest delivers the lunches in its refrigerated trucks.

"With partners like Sodexo and the University of Toronto, we can continue to fight hunger in our city," said Zoë Cormack Jones, executive director of Second Harvest, a non-profit organization that delivers donated food to 121 social service agencies across Toronto.

The University of Toronto Computer Shop

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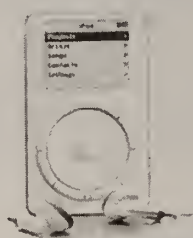
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ESL Programs Key to Self-Esteem

By Jessica Whiteside

SUPPORTING ENGLISH-AS-A-SECOND-language programs and promoting inclusive educational curricula are key to the mental health of female immigrant and refugee students in Canadian secondary schools, says a federal study led by U of T researchers.

Funded by Status of Women Canada, the study examined factors that affect the mental health of these "newcomer" female students. Its major recommendations address multicultural school environments, diversity in school staff, support of extracurricular activities and participation of immigrant families in decision making.

"One of the prevailing senses that the young women had was their sense of being different from other Canadian youth and feeling they were perceived as being different," said the study's principal investigator, Professor Nazilla Khanlou of nursing and psychiatry.

Consequently, she added, the youth eventually took the strategy of silencing themselves. "They would pretend they weren't there, keeping quiet, when in a situation where they were unable to communicate well in English. Sometimes, they anglicized their names to make belonging easier. At times, they felt they were looked down upon," she said.

In addition to holding focus groups in Toronto secondary schools, the researchers also interviewed parents, teachers, settlement counsellors and others in the community. Mental health promotion for newcomer youth cannot be considered in isolation from issues affecting the rest of the family, such as family reunification policies and strategies aimed at integrating immigrant parents into the job market, suggested Khanlou.

"We need to get the families of newcomer youth involved in the workings of their school system," she said. "We need to provide

forums where immigrant parents feel comfortable in voicing opinions in the various school activities that other school parents do."

Khanlou said the study not only examined the challenges faced by immigrant female youth but also addressed their strengths and resiliency.

"The female participants of this study had strong academic aspirations and had a positive outlook on their future," she said. "While they were experiencing specific challenges ... they were at the same time quite highly motivated to attain success."

The report also makes recommendations in the areas of health and social services and resettlement services. It will be distributed to federal cabinet ministers and government departments, close to 100 libraries across Canada, agencies working in women's health and immigration and organizations involved in settlement services in schools.

Staff Member Dies in Traffic Accident

-Continued From Page 1-

tribute. "He would work until he discovered why something wasn't working right. A quick patch was something he'd only do if given no other option," she said. In his life, too, she said, Kameoka would work until he found a way to do something that may have appeared impossible to others, citing his trip to Australia where he inspired those he met in Melbourne and Sydney. And four years ago he went on an Outward Bound canoe excursion for the disabled.

"Jon repeatedly showed us he was just Jon," McArthur said at the funeral service July 13. "He didn't



Jon Kameoka

want special treatment. He would wave us through if we held the door open for him. He didn't request any special accommodation. Nothing more than taking a little more time when carrying on a

conversation. He taught me how to listen and how to say volumes with a few key words and gestures."

The work of the centre, she noted, is directed at using technology to meet the needs of individuals of all abilities. "Although Jon didn't use any specialized technologies, he was a part of our work and reminded us of why we do what we do. He assisted students with accessing the technologies they required and in doing so touched their lives by giving them skills and making them more independent," she said. "We haven't lost a colleague, we've lost our friend."



House a Student

Join thousands of Toronto residents who, each year, rent housing to **UNIVERSITY OF TORONTO** and other post-secondary students.

Many students arrive from other regions of Canada, the U.S., and abroad and are searching NOW for affordable rooms, apartments and houses for August & September 1st occupancy.

For \$35.00 your rental unit is advertised for six weeks to students of U of T, George Brown College, the Ontario College of Art & Design and several other post-secondary institutions. Don't delay. Call the U of T Student Housing Service to list your accommodation **TODAY**:

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PROFILE

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Cecil Yip credited with Faculty of Medicine's growth in research productivity and funding

By JANET WONG

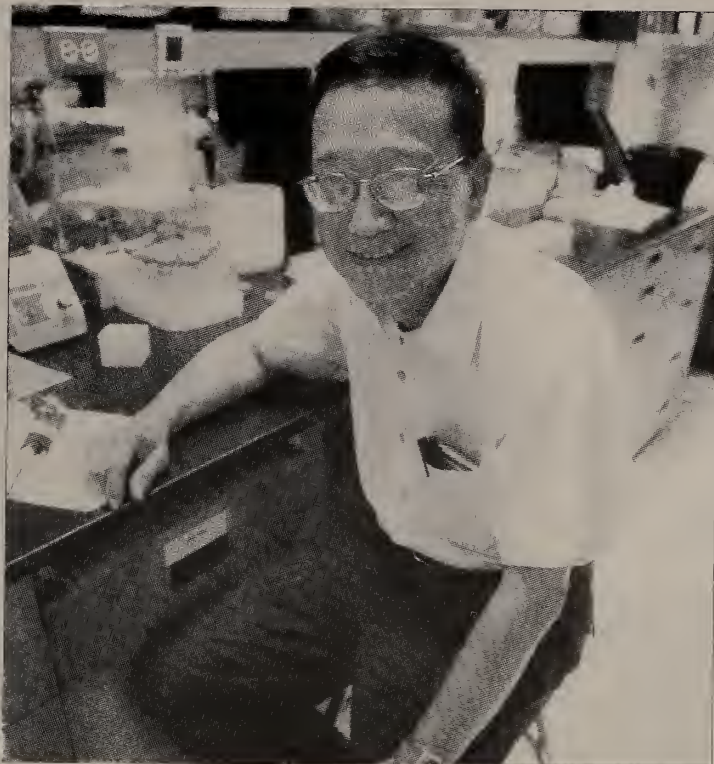
AFTER NEARLY FOUR DECADES AT U OF T, Professor Cecil Yip possesses a wealth of knowledge when it comes to medical research and this university

"I think in medical research or biological research, we're coming full circle," says Yip, who retired June 30 as vice-dean (research) in the Faculty of Medicine. "In the beginning when we looked into how biology functions, we started by breaking the system down. We broke it down into organs, then tissues and cells and then into the sub-cell. Now we're building up. The current challenge is to see how these pieces fit and work together to create a living system."

At the same time, scientists have the added challenge of ethical issues surrounding advanced technologies. The impact of medical research on society is more immediate and scientists are able to manipulate genes and alter organisms in ways that were not possible before. And that has pushed the ethics debate and the "can we/should we" arguments to the forefront, he says.

Yip believes scientists have a social responsibility to develop ethical guidelines through consultation with various stakeholders. However, to arrive at a rational decision on ethics the public must be better informed about science and its products.

Yip has a distinguished history at U of T, arriving in 1964 as an assistant professor in the Banting and Best Department of Medical Research, rising through the ranks to department chair in 1987. In 1993 he was appointed the faculty's vice-dean (research). Author of more than 100 scientific articles in peer-reviewed journals, Yip's research deals with the mechanisms of insulin and the structure and function of insulin receptors.



"Cecil Yip is not only one of the university's great minds; he is one of our great citizens," says Professor David Naylor, dean of medicine. "He has worked tirelessly to better this university, whether as a vice-dean, a department chair or an officer of UTFA. Cecil has always been a statesman."

"Further, it was on his watch as vice-dean of research that the Faculty of Medicine has enjoyed massive growth in its

research productivity and funding. He would say that the credit for that belongs elsewhere; most everyone else would say that Cecil as a broker, catalyst, consensus-builder and standard-setter, deserves a meaningful share of the credit for our collective success in research."

Yip also has some parting words for governments that fund and support research. While greater support by federal and provincial governments has allowed Canadian scientists to make significant advances in science and discovery, those positive effects could have been much greater had governments better co-ordinated their funding programs, he argues.

"I believe that for this country to more effectively use its limited resources, we have to set priorities and say, 'We should focus on A, B and C.' That is not to say that we should starve the other areas. But instead of funding five or six centres across the country where each is more or less doing the same thing, what they should do is say they'll have a centre in the prairie provinces where the work will focus on agricultural aspects of genomics, for example. Our east could have a genome centre focusing on fisheries or marine animals and a centre in Ontario and Quebec focusing on health issues. That is how you can differentiate."

Yip will now turn his sights towards the Centre for Cellular and Biomolecular Research, a leading-edge multidisciplinary facility designed to realize the full potential of the Human Genome Project, as its interim co-director. Slated to open in 2005, the \$100-million centre has attracted \$60 million from the provincial and federal governments, with the remainder to be raised through private donations.

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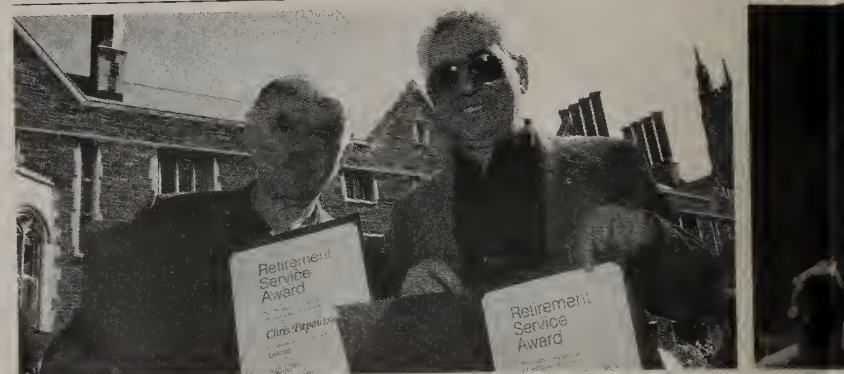
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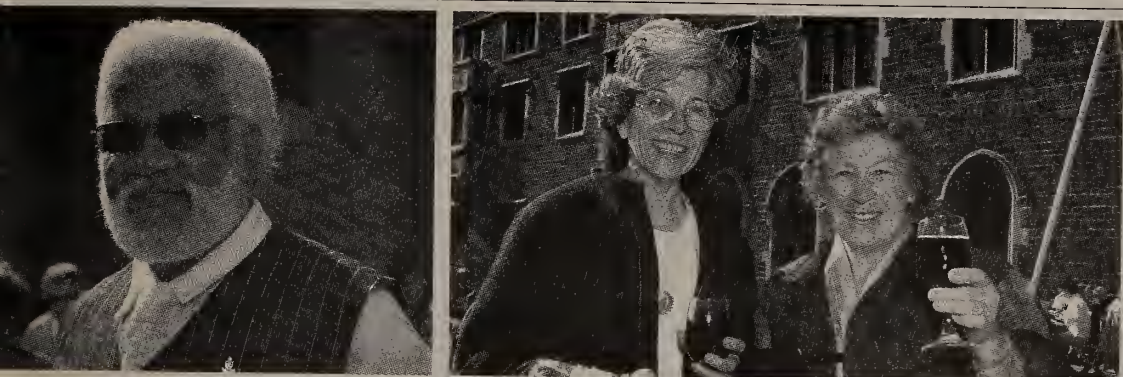
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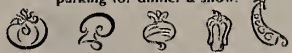
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LETTERS



SMALL NUMBER OF JOBS SIGNIFICANT

In his letter of June 10, Professor Jim Brown refers to a study concerning hiring that he was involved with where it was concluded that women "obtained 33 per cent of the PhDs but only 28 per cent of the jobs" (Diversity improves quality of research).

In his report, which is available online at the Canadian Philosophical Association's Web site (www.acpcpa.ca), Brown comments that "of the 97 students receiving a PhD during the period from July 1, 1993 to June 30, 1996, 32 were women (33%)" but that, in 1996, only 29 per cent of the jobs went to women. (These are Canada-wide statistics for philosophy.) He then concludes that "the rate of hiring women is very far from the goals set by the CPA and, in fact, does not even match the candidate pool of 33% women. Even those who oppose affirmative action and want 'gender blind' hiring practices should be upset with these results, since they suggest a slight discrimination against female candidates."

However, it's important to point out that Brown is reporting about a total of only seven positions nationally. Thus, had just

one more position gone to a woman, say, then the percentage of women hired would have jumped to 43! Had just one more position gone to a man, say, then the percentage would have fallen to 14!

To suggest that such small numbers are statistically significant is clearly something of a stretch, to say the least. This is especially true in light of much more widely confirmed and statistically significant data gathered over many years and in several studies that points to the opposite conclusion.

ANDREW IRVINE
UNIVERSITY OF BRITISH COLUMBIA

WOMEN HAVE TO BE BETTER TO BE EQUAL

After reading John Furedy's letter criticizing employment equity, I had varying emotions of anger, disappointment and sadness (Employment equity report flawed, May 6). I even debated whether or not I should even bother to respond but then I became encouraged after reading Paul Muter's and James Robert Brown's responses (Letters, May 21 and June 10).

I find it interesting that so many people, particularly white men, refer to employment equity as reverse discrimination and I often wonder if they ever speak out against "true" discrimination.

As an educated woman of colour, I was often told by family, friends and mentors that I would have to work harder than whites in school to get good grades and also in the workforce to get similar recognition and pay. My experienced forewarners were

right! This reality was further cemented one evening while watching Studio 2 on TVO when a female panellist made a comment which struck me. She was referring to Alexa McDonough and her recent announcement of stepping down as the leader of the New Democratic Party. When answering one of Paula Todd's questions the panellist said, "...women have to be better to be considered equal..." I thought, imagine how much "better" a woman of colour must be to be considered equal. Simply put, if it were not for employment equity, people with my genitals and skin colour would never be given equal and fair consideration.

At any rate, some good did come out of John Furedy's disappointing letter, notably the responses in favour of diversity. I am satisfied knowing that the university does employ progressive-thinking people who understand the importance of equity and see it as enhancing our environment rather than hindering it.

MARCELLA BOLLERS
PSYCHOLOGY

ARTICLE DEROGATORY

I read with a significant amount of dismay the article From Eh? to Zed in the May 21 issue of *The Bulletin*. In the article the author uses an example of the Newfie lawyer who wants to expand his vocabulary beyond "eh." Newfie (and the Rock) are pejorative words. These words and the example used were intentionally formulated to conjure up notions of the goofy Newfie or perhaps a colourful character from This

Hour Has 22 Minutes, rather than, for example, Newfoundland's most well-known lawyer, Clyde Wells, who likely never learned the "eh" word. While you appear to studiously avoid words that denigrate ethnic communities, you seem to have no problem perpetuating the discrimination against a "distinct society" within this country. One would like to assume that the University of Toronto and its publications were scrupulously non-prejudicial in their representation of peoples.

ELAINE TOMS
FACULTY OF INFORMATION STUDIES
(AND A NEWFOUNDLANDER)

MATERIAL SUCCESS NOT REAL SUCCESS

In Robert Prichard's address to U of T convocation June 10 and reprinted in part in *The Toronto Star* June 17, he made a reference to the fundamental question first posed by Socrates — "How shall one live?" How does one lead a full, rich, meaningful life? A happy life? A good life?

In today's world, material and financial success seem to determine a person's worth and what one should strive for. The enjoyment of life, the love and support of family and friends sometimes runs a close second. Should an act of nature or an act of God take away the financial and material success, one will feel that one has nothing.

However, if you haven't enjoyed or lived your life along the way, and appreciated the love and support of family and friends, then you really have nothing.

Being able to realize your ambitions without undermining your ability to live and enjoy life is real success.

At least that's what I tell my kids.


GLORIA CERNIVIVO
ITALIAN STUDIES

WASTE OF WATER ON CAMPUS EMBARRASSING

Every day this summer, even during the hottest hours of the heat wave, I have seen sprinklers in use on campus. Much of the water that is not evaporated immediately seems to end up on the pavement rather than the grass. I find this waste of water embarrassing and disgusting. I would like to see the university take a leadership role in water use and restrict watering — when it is needed at all — to the cooler evening hours when rates of evaporation are lower and ensure that the water ends up going to plants, not down storm drains.

SARA SCHARF
INSTITUTE FOR THE HISTORY & PHILOSOPHY OF SCIENCE & TECHNOLOGY





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ACCOMMODATION

Rentals Available — Metro & Area

Attention U of T visitors. Luxury, bright, furnished apartments available home away from home. Includes your every need: walkout to sundeck, appliances, linens, dishes, TV, A/C, parking, laundry. 10 minutes from U of T and hospitals. E-mail: info@irmoluxhomes.com; Web site www.irmoluxhomes.com; 416-275-3736.

Annex/Admiral Road. 1-bedroom apartment on 3rd floor of quiet home. Cathedral ceilings, wooden beams, white stucco interior. Air-conditioned, all new appliances. Suits mature single academic, professional. \$1,400/month includes utilities. Short walk to U of T. No pets. 416-924-8976, leave message.

2-bedroom furnished house. Quiet street, good neighbours. Close to Beaches, bike trail, cinemas, adjacent park, swimming pool, hockey rink. Walk to subway and College streetcar. Eat-in kitchen, dining-living room. Hardwood floors, neutral décor. Desk, bookshelves. Deck outdoor furniture BBQ. Garden, parking 2 cars. Includes dishes, appliances, TV, VCR, stereo. Washer/dryer. Rent includes heat, water, electricity. \$1,500 month inclusive. Available now. ger_maguire@hotmail.com

One-bedroom basement apartment, Queen and Pape. Private entrance, fully furnished, bright, immaculate quiet. Security system, laundry, air-conditioned, steps to streetcar or 15 minutes to subway. \$675 per month plus utilities. No smokers, no pets. Available August 15, 2002. Days, 416-585-4499 (after August 5), evenings, 416-466-7509.

Yonge/Finch 2 + bedroom, nicely furnished house, prime location, near subway, other amenities, garden, 5 appliances, A/C, 2-car drive, suits academic couple, \$1,200/month + utilities, available August 15, 416-226-9616/416-597-1440, ext. 6906.

Cozy 2-bedroom upper floor of a home in Danforth/Coxwell area. 15 minutes to U of T. Close to all amenities. 2-car parking, large backyard and garden, bay window, 3 appliances, 4-piece bath. \$1,300/month + 75% utilities. Available immediately. 416-424-4145 or nilla.corvaro@utoronto.ca

Avenue Road/Macpherson. Walk to U of T. Furnished fully equipped basement bachelor in quiet home. New appliances. Laundry access. Separate entrance. Cable. No smoking/pets. \$925 inclusive. Suits one. Available immediately. E-mail: cooney@booksforbusiness.com; 416-944-0B32.

Jane & Bloor bachelor basement apartment with separate entrance for rent. Available immediately and includes cable, utilities and shared access to washer/dryer. Approx. 20-25 minutes to U of T. \$650 a month. Please call 416-769-9954.

Annex (St. George/Lowther Avenue). 2-bedroom, spacious eat-in kitchen, deck. Victorian home (3rd floor). Quiet. Across the park, walk to subway, U of T. Available immediately. \$1,650 + hydro. 1-year lease, no pets. Call Anna, 416-925-2246.

Funky new basement apartment in Upper Beaches for rent. Wooden floors, central air, separate entrance, sprinkler system & patio. Close to transportation, shopping and restaurants. Available now. No smokers/pets. \$800 includes utilities. 416-698-9999.

Luxury penthouse condo for rent. 26th floor. Bay/College area. Wood-burning fireplace, full amenities, washer/dryer, dishwasher, gym, sauna, Jacuzzi, squash court, parking optional. Furnished \$2,200, unfurnished \$1,650. July occupancy. Kevin, 416-928-9204.

Bathurst/Harbord. 10 minutes to campus. 1400 sq. ft. newly renovated, 2 bedrooms, 2 baths, heated floors, open concept, laundry, gas, fireplace, dryer/washer, \$1,800 +. No smoking/pets. Available August 1 or September 1. Call 9 to 5. 416-254-1328.

Queen West Village. Large bright one-bedroom; main floor of Victorian house on quiet street; huge maple kitchen; laundry, steps to transit, park, restaurants, etc. \$1,300 (including utilities and cable). Available August 1. Call 416-588-0708.

Yonge and St. Clair. Quiet street, minutes from subway. Bright, spacious, fully renovated bachelor suites, featuring new kitchens and bathrooms. New fridge, stove, ceramic tile and dishwasher in some. Laundry facilities. Ready to move in. From \$950 +. Call 416-921-9812.

Beaches. Victorian duplex, main floor, 1-bedroom, private entrance, porch, garden, bright, luxury fully renovated, hardwood, stained glass, CAC, ensuite laundry, parking, GO, TTC, no pets/smoking, \$1,175 +. 416-694-0756.

New bachelor apartment in well-maintained house. Bright hardwood floors, Ikea-furnished, kitchenette, TV, cable, high-speed Internet, laundry. Separate entrance. Short walk to High Park subway, \$670/month inclusive. Pictures available via e-mail, thornond@sympatico.ca

Annex 1-bedroom modestly furnished/equipped. Short walk to campus, shops, transit. Laundry in building, balcony, A/C. No smokers/ pets. Suit conscientious, reliable single housesitter. Mid/late-August 2002 — May/June 2003. \$762/month inclusive. 416-944-2456. Leave number, e-mail.

Bathurst & Dundas. 1-bedroom basement apartment for rent. Includes eat-in kitchen, bathroom and separate entrance. All utilities included. \$550 per month. Available August 1. 416-603-4090.

Huron/Bloor. 2-minute walk to U of T Library. Quiet, lovely and bright units in 6 plex. Bachelor or 1-bedroom. Some with balcony, fireplace. Quaint units with character. Laundry available. Suitable for quiet, non-smoking professionals. No pets. \$1,100 to \$1,350 +. Also newly renovated basement bachelor \$750 +. Available anytime from now to September 1, 2002. 519-767-1543 or e-mail hy.2000@albedo.net with your requirement and profile.

Annex — 15 minutes walk to U of T. Basement, two- and three-room apartments. Clean kitchen, bathroom. Separate entrance. For clean, quiet, mature non-smokers. No pets. Close to downtown shops, TTC. Available September 1, 2002 for one year. \$900/month and \$1,100 month respectively. 416-927-8096, leave message.

Upper Beaches. Large newly renovated 1-bedroom, front balcony and large back porch with backyard access. Laundry facilities, central air, walking distance to subway/bus, 12-month lease, \$1,250/month plus utilities. Contact Karen 416-592-0194.

House for rent. Prince Edward Drive/Bloor St. W., Etobicoke. Large 3-bedroom home in excellent condition, lovely residential area. Large principal rooms with eat-in kitchen. Fireplace in den. Large recreation room. Stove, refrigerator, dishwasher, washer & dryer included. Convenient to public transportation and subway. Tenant pays all utilities. September 1, 2002 — August 31, 2003. Ross Armitage, 416-231-0206.

Furnished house. Ivy Avenue in Riverdale. Three bedrooms. Bathrooms up and downstairs. Washer/dryer, dishwasher. New furnace and roof. Open, contemporary feel. Large backyard, fireplace, balcony, skylight. Quiet, treed neighbourhood. Near park, bus stop to subway and streetcar (direct to campus). September —

June (flexible), \$2,000 per month. David, 416-465-1319; fax, 416-465-6740. Virtual tour available by email: appledor@sympatico.ca

Sabbatical sublet. September 2002 — June 2003, fully-furnished one-bedroom 2nd-storey flat on Palmerston Boulevard (Bathurst/Bloor). Large deck, off-street parking, \$1,200/month, includes heat and electricity. Please call 416-978-6051.

Sabbatical rental. Summer 2002 to summer 2003. Furnished 4-bedroom, 2 1/2 bathrooms, family house. Newly finished basement, deck, backyard, garage. Walk to U of T campus, subway, park. Excellent schools, neighbourhood off Avenue Road. No smokers/pets. \$3,000 + utilities. 416-782-1892 or +43 1 212-5881.

Annex/Albany Ave. 1- or 2- bedroom, high ceilings, fireplace, 5 appliances, 4-piece bath, new paint, no pets/smoking. August 1, \$1,550 + utilities. 416-539-9850.

Luxury 3-bedroom apartment with study. 2 1/2 bathrooms, Jacuzzi tub, laundry facilities contained. Hardwood floors, tile, skylights, private, deck, gourmet kitchen, granite countertops, security alarmed. Gas furnace, heating with A/C central. Above store on Bloor. For more information contact Joseph; pager, 416-379-1395.

Charming, bright Annex one-bedroom basement apartment. Private front entrance/laundry, huge closets/bathroom, A/C. Close to subway, cafes, shops etc. Friendly community. No smoking/pets please. Street parking available. \$895/month including utilities/cable. 416-535-1584.

Fully furnished large Victorian house. on pleasant tree-lined street. 3 bedrooms, 2 studies, 2 bathrooms, newly renovated kitchen + bathroom, laundry, CAC, long private garden, parking, alarm. Tastefully decorated, antiques, high ceilings, hardwood floors, period details. 10 minutes from U of T, steps from streetcar, near shops, cafes, parks and schools. \$2,800/month + utilities. Available September 1 to July 1. Non-smokers, no pets. 416-537-5268 or sheppardpm@aol.com

Dundas/Dupont area. 3-bedroom Victorian house. New kitchen, new bathroom, freshly painted, close to TTC. Short term or long term, furniture optional. \$995 to \$1,200 monthly to be negotiated. Mrs. Winter, 416-504-4455.

Avenue Road/Bloor. Fully furnished bachelor apartment with separate eat-in kitchen in quiet home. Separate front entrance. Suits one. References. No smoking/pets. \$900/month. Available. 416-972-0743.

Forest Hill. 3-bedroom, 2-bathroom fully furnished house. Long- or short-term rental. 15-minute walk to U of T. Fireplace, parking, garage, ravine garden, available September. \$2,700 per month. 416-324-8493 or 705-687-8294.

Annex, Bathurst-Bloor. Spacious 2-bedroom, main floor, hardwood, yard, \$1,750. No pets. August 1. 416-538-2008.

Home for rent. Furnished and complete with cat. January to June 2003. Bloor and Dovercourt area, beautiful garden, three bedrooms and study, all appliances, utilities. \$2,200 per month. Contact 416-538-9178 or jact@sympatico.ca

Bathurst/Wilson. Large bright very quiet executive 2-bedroom basement apartment of bungalow. Fully carpeted, new kitchen & bathroom, CAC, large closets, parking, water + heat + gas inclusive, \$995. High-speed internet & satellite TV available. No pets/smokers. September 1. 416-482-9003.

Annex bachelor, \$875 inclusive. One-bedroom, \$1,100 inclusive. Modern bright, full kitchen and bath in a century house

with high ceilings, laundry, street parking, use of back yard. No smoking, allergy friendly. Pager, 442-0808/e-mail, jpringle@vex.net

St. George/Dupont. Spacious 2-bedroom apartment. 10 minutes from U of T, 5 minutes from the subway. Fully furnished with washer/dryer and parking. Available from September — December. \$1,585/month plus utilities. Dan 416-441-5955.

Beaches (Queen/Woodbine). 3-bedroom house (semi-detached), quiet tree-lined street, walk to beach, hardwood floors, deck, 5 appliances, full basement, close to TTC, unfurnished. Available only August 1 to May 31, 2003, \$1,600/month +, 416-924-2713.

Dundas West & Bloor Street. Dundas West subway. Large bachelor apartment with laundry facilities. \$700 + hydro. Close to banks, TTC, plaza & all daily needs. 416-498-0891 message; 416-827-6407 after 7 p.m.

Downtown Toronto. Easy access to U of T. 15 minutes from shopping, excellent restaurants. Eastern Beaches, Danforth. Lovely cafes, bakeries, parks one block away. Three major grocery stores walking distance. Short ride to St. Lawrence Market. 3 bedrooms, 2 bathrooms (one with shower/tub/laundry facilities), open concept, living and dining room, eat-in kitchen, dishwasher, gas stove. Backyard deck, garden with BBQ. Front garden, A/C. \$1,200/month + utilities. September 2002. Sarah, 416-778-0425, smckinnon@canada.com

Bathurst/Dupont on Palmerston. House for rent, small 2-bedroom semi. Includes garage, Jacuzzi, deck, fridge, stove, microwave, washer, dryer, freezer, garden. \$1,400 + utilities. Call 416-535-8495.

Dupont/Symington. Available September 1. Sunny 1-bedroom, eat-in kitchen, large living room with bay window, newly renovated. Direct bus to St. George and close to Bloor subway. Suit quiet, gay-friendly person. Non-smoker, no pets, \$1,100 inclusive. 416-533-5572.

Rosedale North. Bright furnished bachelor basement apartment. Newly renovated. Private entrance. 5 appliances. Parking available. Suit one person. No pet/no smokers. Satellite dish utility included. \$750. Call Frances, 416-922-6216.

Bathurst/Eglinton. Spacious furnished 4-bedroom home. Large kitchen, large family room, two full bathrooms, study, central air. Excellent schools, garden, garage, steps to TTC. Available now for one year +, 416-783-2239. sfisher373@aol.com

One-bedroom apartment at Bloor/Jane available September. Opposite Old Mill station, 20 minutes to U of T. Dishwasher; new fridge, stove; hardwood floors; air-conditioned. Humber River/Bloor West Village/High Park nearby. \$1,175 monthly, negotiable. 416-233-6338.

Bathurst and Dupont. Suitable for grad students, one-bedroom, first floor, pine floor, new paint, carpeted bedroom. \$950 + hydro. Non-smoker, no pets. Two-bedroom on first floor, 9 ft. ceiling in living room. \$1,150 + hydro. Available September 1. Phone 647-888-4627; e-mail ctse@myexcel.ca

Avenue Road and Dupont. Fully furnished and equipped upper duplex. Private entrance, 2-level, 2-bedroom, 6 appliances (with ensuite washer/dryer) + TV cable, VCR, etc. A/C, parking & utilities, \$2,500 per month. 416-924-8872 or marybill@sympatico.ca

Bloor/Dufferin. 3 bedrooms, 1 living room, 2 levels, steps to subway, shopping mall. Bright spacious and clean. Non-smoking environment. Available August 1, 2002. Monthly rent \$1,600. Parking available. Contact Steve, 416-564-132B.

Bloor/Ossington. Renovated 3-bedroom + living room, new kitchen, 2 4-piece bathrooms, laundry, roof deck, private, walk to subway, grad students preferred, minimum 1-year lease, \$1,700 + 1/2 utilities, September 1. Rick, 416-656-3131.

Bathurst/St. Clair. Steps to subway. Unfurnished 1-bedroom apartment, main floor of house, private entrance, use of yard and porch, eat-in kitchen, pantry, hardwood floors, laundry, parking, \$1,100 plus hydro. No smokers. August 1. 416-921-8739.

Bright, clean, renovated bachelor and 1-bedroom apartments off Avenue Road just North of Dupont. Easy access to downtown campus with TTC stop just outside your door. For further information contact 416-923-1127 or rental@istar.ca

Luxury renovated rental apartments easy access to Yonge subway line. Amenities include central air, indoor pool, tennis court, exercise room, concierge, tuck shop and laundry. Junior 1, 1-bedroom and 2-bedroom suites. Call 416-923-4291 or e-mail rental@istar.ca

Coach house at Bloor and St. George for long-term lease. Furnishings included, 750 sq. ft., loft with 18' ceiling, air conditioning, gas fireplace, pine floors, skylights. Suitable for single professional or couple, available immediately. 416-977-2315; 416-399-7004.

Danforth/Woodbine. 2-bedroom semi-detached house, sunroom, skylight, parking, deck, enclosed backyard, laundry, dishwasher. 20-minute subway to campus. Close to Beaches, Greek town, cafes, shopping. Non-smokers. Furnished/unfurnished. September 2002 to August 2003 (negotiable). \$1,300 + utilities. 416-694-6335, hui_t@hotmail.com

Regal Heights (Oakwood/St. Clair Avenue). Absolutely stunning, impeccable renovated, luxury 2-bedroom apartment. Self-contained, private entrance, 5 brand-new appliances: microwave, refrigerator, stove, washer, dryer. Radiant floor heating, tiles, chair rail, natural wood, 4-piece bathroom, recessed lighting, french door, venetian blinds. Public transportation, shops, restaurants, tree-lined street, late Victorian house. Cable, electricity, heating, water included. \$1,200/month. No smoking/pets. References. Available immediately. 416-656-8049.

Bright fully furnished 1- and spacious 2-bedroom condos in upscale building at Jarvis/Gerrard. Minutes from Ryerson and U of T campuses. On-site laundry, gym and underground parking. Ideal for visiting faculty or mature students. Available immediately, 416-979-0028.

Riverdale duplex. Large, 2 levels, formal dining and living rooms, 2 bathrooms, 1 or 2 bedrooms, laundry, sunroom, deck, on quiet, tree-lined street near parks and TTC. Non-smokers. September. 1 or earlier. \$1,750 + hydro. 416-923-6666.

Rosedale. Basement, spacious 2-bedroom, totally renovated kitchen, bath, living room. \$1,400/month, available August 1. 416-964-6229.

Great sabbatical house, close to university, hospitals, and transportation. September 2002 — May 2003 (flexible). Fully furnished with three bedrooms, study, family room (or 5 bedrooms), 2 1/2 bathrooms, large renovated eat-in kitchen, garden, deck, 5 appliances, laundry, piano, parking, quiet street, across from park. \$3,000 (Canadian) plus utilities. Call Patty at 416-531-5525 or e-mail pliner@psych.utoronto.ca

Village by the Grange. recent conversion inner courtyard off McCaul. Unfurnished 1-bedroom, August 1. 6 appli-

-Continued On Page 10-

CLASSIFIED ADVERTISEMENTS

-Continued From Page 9-
ances. \$1,250/month inclusive. Less for long lease. Suit professional. No pets, no smokers. Liz 416-462-9930 or Katy 416-731-2022.

Mississauga, QEW & Hurontario. September 2002 — August 2003. 5-bedroom, large furnished house. 20 minutes to downtown. 10 minutes to Erindale. Quiet neighbourhood, open concept, architecturally interesting. 60s style, swim pool, garden, no smokers, \$3,000/month. Contact vickena@sympatico.ca or 905-275-4600.

Bathurst/College. Large 2-bedroom apartment, 1st floor of Victorian brick row-house, overlooking garden. 10-minute walk to U of T & market, good TTC access. Hardwood floors, large living/dining room. Available September — April/May. Ideal for faculty/graduate students. \$1,500/month, negotiable; 416-921-8786; sarahc@interlog.com

Royal York & Bloor. Close to subway, all amenities. Newly renovated, spacious, self-contained, executive suite. Non-smoking, clean, professional. Utilities included. \$1,300 monthly. Available now. Please call during evenings, 416-239-8750.

Easy walking distance to the university, College/Bathurst area. Bright 2-bedroom upper floor in a home, eat-in kitchen, hardwood floors, air conditioning, no smoking/no pets, quiet. \$1,600/month including utilities. Available now. 905-820-1094. tmcabe@eol.ca

Yonge/Wellesley. 1-bedroom condo, fully furnished, 5 appliances, opposite subway. \$1,600 (includes utilities). August 1. Ian Gemmell, 416-485-2299

Furnished 1-bedroom. Spacious unit in beautiful historic Annex building. Steps to U of T, subway, Bloor Street/Yorkville. A/C, large private terrace, laundry and parking available on-site. Available September 1 for one year. \$1,850 per month inclusive, 416-929-6381.

Yonge and Lawrence. Spacious one-bedroom apartment available September or October 1, a 3-minute walk from

Lawrence subway station. In a quiet 4-storey building, the apartment is suitable for an individual or a couple; eat-in kitchen, large bedroom with walk-in closet. \$1,150 + per month, parking available. Call 416-489-9622.

Beach. Large newly renovated 1-bedroom basement apartment. Full kitchen and bath. \$900 includes utilities cable/laundry. Parking/high-speed Internet negotiable. Close to lake/transit. Available September 1. 416-617-7926.

Annex. 2-bedroom, 12-month sublet in 8-floor building near Bloor and Spadina. 15-minute walk to campus, laundry, indoor parking. \$1,100 + hydro. Suits couple. Contact: peter.irvine2@sympatico.ca

College-Spadina. Beautiful live-work 2-storey loft, new maple floors, kitchen and bath with granite counters, skylight, fireplace, A/C, walkout patio. \$2,175/month. 416-598-2811, ext. 26

Spacious 3-bedroom apartment available August 1. Upper 2 floors of quiet house across from park. Hardwood, renovated kitchen and bathroom. Walk to subway. \$1,900/month including utilities and cable. Call 416-536-3979 for appointment.

Beaches. Furnished 3-storey house, 3 plus bedrooms, 6 appliances, piano, parking, 25 minutes to campus, 2 to beach, boardwalk, parks, bike trail. Close to library, interesting shops and restaurants. One year (possibly longer). Sabbatical rental, \$2,500 plus utilities. Available August. e.greaves@sympatico.ca

Annex/Brunswick. Semi-furnished one-bedroom apartment. Renovated Victorian duplex, bright and spacious. Campus, subway and most everything within five minutes. Deck with verdant canopy and surrounding. Quiet. \$1,150. September — April/May. Flexible. 416-763-9803.

Furnished condos for rent. Luxury one-bedroom units. Located at Village by the Grange (University and Dundas). Fully equipped with executive class furnishings. Two minutes from subway. Parking and housekeeping available. Restaurants, health club, laundry and dry cleaning on premises. July 1. Short or long term from

\$1,695/month, includes utilities. Maintenance and cable. Call 905-669-2271.

Rentals Required

Post-doc from MIT and Canadian fiancée seek 1-bedroom plus study for August/September, Annex/Little Italy or walking distance to U of T preferred. 617-491-4735, michelleransom@sealumni.com

Wanted: 2-3-bedroom house to rent September to end June 2003 for family of 2 physicians and 2 girls. Non-smokers. No pets. Interested in Leaside/Davisville or north to York Mills Road. Please contact Dr. Iain Ward, 416-781-4981 (H), 416-946-2126 (W) or wardiain@ausdoctors.net

Female sessional professor is looking for shared accommodation. Quiet, non-smoker, no pets. Around \$400 to \$550/month. September 1. Central or west location preferred. mtoney@sympatico.ca, 416-427-5549.

PhD student from Berlin seeks 2-bedroom house or apartment for her family (2 children), from late September to April 2003. Access to good public schools and public transportation, a plus. enzenbach@web.de

Professor (female) from Berlin is looking for a bright and quiet apartment or sublet (1 to 2 rooms) in Riverdale (Danforth, Chester/Broadview) from August 1 to October 1 or 15. Please contact as soon as possible: reinis@sympatico.ca or phone 416-469-2924.

Shared

University student wanted to share condo. Non-smoker, female. Price \$675. 24-hour security at High Park area. Please call Sophie, 416-762-6098.

Quiet west-end neighbourhood. Loft plus two rooms in spacious, comfortable 4-bedroom furnished detached home. 3-minute walk + 4 subway stops or 10-15 minutes walk to campus. Available from September — December (inclusive) to share with quiet PhD student. Large eat-in kitchen with sunroom and wood stove; large living room/dining room; recently renovated bathroom with large soaking tub; large backyard, parking in garage; laundry. \$1,000/month, utilities included. 416-537-9184.

Yonge & Bloor. Female roommate wanted to share 2-bedroom apartment available in August. Weekly accommodation possible. All appliances + A/C. Shared facilities. 10-minute walk to U of T. Close to subway. \$250 per week. Parking included.

Eglinton E./Mt. Pleasant. 2-bedroom, 2-bathroom apartment, totally newly renovated, new fridge, stove and full size dishwasher. Dining and living room with balcony. Outdoor pool, new fitness & laundry room. TV monitor security system, \$1,685/month including utilities (phone, cable & Internet extra). Non-smoker, no pets. Quiet, mature responsible person. \$842.50/bedroom, 12-month lease. September 1. To view, contact Dinah Dickie, 416-485-4342; Lynn, 780-538-8895, 780-539-7997 or Sheena, 780-513-2623; cell 780-814-4248.

Erindale campus. Share large house and yard in SW Mississauga with female professional from August 1. Parking. Suit newcomer. One room \$500, inclusive. Two rooms, \$800 inclusive. Ann, 416-960-1768 or 905-823-2929.

Beach. Share house. 1 large bright fully furnished bedroom in 3-bedroom house, laundry. \$800 includes cable/utilities. Parking and high-speed Internet negotiable. No smokers/pets. Availability flexible, 416-617-7926.

Yonge/Davisville. Smoke-free. Share kitchen, living room, dining room, balcony,

semi-private bath. Laundry facilities, subway, shopping, 2 cats, other amenities. \$800 includes utilities, cable and shared phone. Parking extra. Contact 416-913-0507 or machinrose@mail2pisces.com

Yonge & Eglinton (Broadway Avenue). 2-bedroom to share apartment. Rent \$550 a month plus deposit. A/C, parking extra. 5 minutes to subway. Please call Dave at 416-487-2931 after 4 for more info.

Bed & Breakfast

\$27/\$36/\$50 per night single/double/apartment, Annex, 600 metres to Robarts, 14-night minimum, free private phone line, voice mail, VCR. No breakfast but share new kitchen, free laundry, free cable Internet. Sorry, no smoking or pets. Quiet and civilized, run by academic couple. <http://www.BAndNo8.com> or 73231.16@compuserve.com or 416-200-4037.

Restored Victorian home. Walk to Robarts Library, rooms with shared bath from \$75/night. Private suite from \$100/night. 416-588-0560; e-mail annexguesthouse@canada.com; Web annexguesthouse.com

Overseas

TUSCANY THIS WINTER. Beautifully restored stone villa with stunning views. 5 bedrooms, 3 baths. Idyllic rural setting in Arezzo province. Available October 2002 — April 2003, \$1,150/month. +39-0575-791166, vivian@casasingerna.com; Web site: www.casasingerna.com

Vacation/Leisure

Cottage for rent. 3-bedroom cottage, sleeps 5 comfortably, located 200 km north on beautiful Healey Lake near MacTier. Private lakefront, sundeck, dock, canoe, fully equipped, no phone/TV \$650-700/week. 905-465-2465.

HEALTH SERVICES

REGISTERED MASSAGE THERAPY. For relief of muscle tension, chronic pains and stress. Treatments are part of your extended health care plan. 170 St. George Street (at 8loor). For appointment call Mindy Hsu, B.A., R.M.T. 416-944-1312.

PERSONAL COUNSELLING in a caring, confidential environment. U of T extended health benefits provide excellent coverage. Evening appointments available. Dr. Ellen Greenberg, Registered Psychologist, Medical Arts Building, 170 St. George Street. 416-944-3799.

DR. DVORA TRACHTENBERG & DR. GINA FISHER, PSYCHOLOGISTS. Individual/couple/marital psychotherapy. Help for depression/anxiety/loss/stress; work/family/relationships/communication problems; sexual orientation/women's issues. U of T health benefits apply. Medical Arts Building (St. George and 8loor). 416-961-8962.

PSYCHOANALYTIC PSYCHOTHERAPY with a registered psychologist. Dr. June Higgins, Medical Arts Building, 170 St. George Street (8loor and St. George). 416-928-3640.

Psychologist providing individual and couple therapy. Work stress, anxiety, depression, personal and relationship concerns. U of T health plan covers cost. Dr. Sarah Maddocks, Registered Psychologist, 114 Maitland Street Wellesley & Jarvis). 416-972-1935, ext. 3321.

Dr. Neil Pilkington (Psychologist). Assessment and individual, couples and group cognitive-behaviour therapy for: anxiety/phobias, depression/low self-esteem, stress and anger management,

couples issues and sexual identity/orientation concerns. Staff/faculty health care benefits provide full coverage. Morning, afternoon and evening appointments. Downtown/TTC. 416-977-5666. E-mail Dr.Neil.Pilkington@primus.ca

Psychotherapy for personal and relationship issues. Individual, group and couple therapy. U of T extended health plan provides coverage. For a consultation call Dr. Heather A. White, Psychologist, 416-535-9432, 140 Albany Avenue (Bathurst/Bloor).

Dr. Will Cupchik, Clinical Psychologist. Thirty-five years' counselling experience. Adult, couple, teenage and intergenerational (i.e., adult child and his/her parent) psychotherapies. Self-esteem. Depression. Anger. Loss. Worry. Stress management. Coaching. Heart-healthy lifestyle changes. U of T extended health care benefits partially or totally covers fees. 250 St. Clair Avenue West. 416-928-2262.

Evelyn Sommers, Ph.D., Psychologist, provides psychotherapy and counselling for individuals and couples from age 17. Covered under U of T benefits. Yonge and Bloor. 416-413-1098 or e-mail for information package, eks@passport.ca

Dr. Carol Musselman, Registered Psychologist. Psychotherapy for depression, anxiety, trauma and other mental health needs, relationship problems, issues related to gender, sexual orientation, disability. Day and evening appointments. Covered by extended health plans. 489 College Street, Suite 206. 416-568-1100, cmusselman@oise.utoronto.ca

Full range of psychological services offered by Dr. K.P. Simmons. Call 416-920-5303 if troubled by trauma, anxiety, depression, phobia or relationship issues. Location: 170 St. George Street, Suite 409 — Medical Arts Building.

Individual psychotherapy for adults. Evening hours available. Extended benefits coverage for U of T staff. Dr. Paula Gardner, Registered Psychologist, 114 Maitland Street (Wellesley and Jarvis). 416-469-6317.

Registered Massage Therapy at Pacific Wellness.ca (80 8loor St. West #1100 at 8ay) Professional elegant facilities. Female and male therapists. Direct insurance billing available for U of T staff. 416-929-6958.

MISCELLANY

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A cheque or money order payable to **University of Toronto** must accompany your ad. Ads must be submitted in writing, 10 days before *The Bulletin* publication date, to **Mavic Ignacio-Palanca, Department of Public Affairs, 21 King's College Circle, Toronto, Ontario M5S 3J3.**

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EVENTS



LECTURES

Explorer of Tibet and the Human Psyche.

FRIDAY, JULY 26

Professor Barbara Foster, co-author of *The Secret Lives of Alexandra David-Neel*, slide-lecture presentation on Buddhist scholar Alexandra David-Neel. International Student Centre, 33 St. George St. 7 to 9 p.m. Tickets \$5. U of T Buddhist Community

SEMINARS

Looking at Changes in Health and Physical Activity Over Time: Presentation of Data From the Living in Switzerland Survey — the Swiss Household Panel Study 1999-2003.

WEDNESDAY, JULY 24

Prof. Erwin Zimmermann, Université de Neuchâtel, and Doris Zimmermann-Sloutskis, Swiss Federal Sports Institute, Switzerland. 104 McMurrich Building. Noon. Physical Activity Research Program, Public Health Sciences

FILMS

The Hurricane and The Fly.

THURSDAY, AUGUST 8

Free outdoor screenings (rain date). Friday, Aug. 9. Popcorn and cotton candy stations, intermission entertainment. Back campus. Approx. 9 p.m. *The Hurricane* 9:30 p.m.; intermission 11:30 p.m.; *The Fly* midnight.

EXHIBITIONS

JUSTINA M. BARNICKE GALLERY HART HOUSE

AUGUST 1 TO AUGUST 29

Invisible Cities.

Rae Bridgman, quilt hangings inspired by Italo Calvino's *Invisible Cities*. East Gallery.

Canadian Pastorale.

Lotti Thomas, print constructions. West Gallery. Gallery hours: Monday to Friday, 11 a.m. to 6 p.m.; Saturday, 1 to 4 p.m.

ROBERTS LIBRARY

Arts & Science Book Fair.

TO AUGUST 30

Exhibition of 180 books published from May 2000 to May 2002 showcasing the diversity of scholarship in the Faculty of Arts & Science. Foyer, second floor. Hours: Monday to Friday, 8:30 a.m. to midnight; Saturday, 9 a.m. to 10 p.m.; Sunday, 1 to 10 p.m.

Great Books by Great Grads.

TO AUGUST 30

Books by graduates of arts and science; in conjunction with 175th anniversary. Display area, first floor. Hours: Monday to Friday, 8:30 a.m. to midnight; Saturday, 9 a.m. to 10 p.m.; Sunday, 1 to 10 p.m.

TRINITY COLLEGE

John Strachan's Library.

TO SEPTEMBER 1

An exhibition of books from the library of John Strachan, founder of the University of Toronto and Trinity College, in celebration of U of T's 175th anniversary and Trinity's 150th. Saunderson Rare Books Room, John W. Graham Library. Hours: Monday to Friday, 8:30 a.m. to 11:45 p.m.; Saturday, 1 a.m. to 9 p.m.; Sunday, 1 to 11:45 p.m.

U OF T ART CENTRE A Proposed Gift of Russian and Greek Icons From the Collection of Dr. John Foreman.

TO SEPTEMBER 28

Russian and Greek icons. Hours: Tuesday to Friday, noon to 5 p.m.

MISCELLANY

Coping After a Recent Separation or Divorce.

WEDNESDAYS, JULY 24 TO AUGUST 14

Topics include the grieving and separation process and the difficult emotions that may arise; regaining and developing your self-esteem; relationships with family, friends and your former partner; setting new goals as a single person. Family Care Office, Koffler Student Services Centre. Noon. Information and registration, 416-978-0951; family.care@utoronto.ca



Historical Walking Tours.

TO AUGUST 30

Walking tours of the historic St. George campus. Nona Macdonald Visitors Centre. Monday to Friday, 10:30 a.m., 1 and 2:30 p.m. Information: 416-978-5000.

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British

INNOVATION

Minister discusses the impact of innovation clusters and technology research in the U.K.

By LORD SAINSBURY

The following has been adapted from a lecture given by Britain's minister of science and innovation, Lord Sainsbury, at the Munk Centre for International Studies June 10. The full text can be found at <http://www.britainincanada.org/News/Release/2002/jun02/nr0311.htm>.

INNOVATION IS, OF COURSE, MORE THAN SIMPLY THE EXPLOITATION OF SCIENCE AND technology. Innovation also involves new ways of working such as lean manufacturing and new product and service concepts. A new service concept such as fixed-rate Internet access is just as much a part of innovation as a DVD player or a new medical product.

It is also important to make clear that innovation is not a pipeline where at one end public money can be crammed into basic research in the certain knowledge that new technology and commercial applications will pop out of the other. It is a complex process with numerous players and a network of feedback connections.

In promoting innovation there are two fundamental issues that governments have to get right — macro-economic stability and competition policy. Macroeconomic stability is essential if companies are to invest in R&D and new capital equipment and competition also has a key role to play in innovation. Competition is the best way of ensuring that only those businesses prepared to innovate, exploit new technology, move into new markets and grasp new opportunities are the ones which survive and grow.

By any measure the U.K.'s record in science and innovation is outstanding. With one per cent of the world's population, we fund 4.5 per cent of the world's science and produce eight per cent of the world's scientific papers. In 1998 the U.K.'s high-tech exports per capita were the highest of the G7 countries; and, of the 20 top-selling drugs in the world, five were designed in the U.K. That creative science base has enabled us to be strong in key science industries such as opto-electronics, pharmaceuticals, aerospace and now biotechnology. But the science base is also relevant to many more industries.

In 1998 we increased the science budget by 15 per cent, the biggest increase in any area of government expenditure, and in 2000 we put in another 725 million pounds so that today the science budget is increasing by seven per cent a year in real terms. Part of this increase is a highly valuable partnership with the Wellcome Trust which has produced a 1.75-billion-pound investment in the renewal of science research infrastructure.

Of course, scientific excellence of this sort is only part of the picture. We need to strengthen the links in the innovation cycle, bringing universities and business closer together and providing researchers with the skills and incentives to take their ideas to market. To universities' traditional roles of generating new knowledge and training young minds, we believe they need to take on a new role of transferring knowledge into society.

In the science and innovation white paper, *Opportunity and Excellence* (2000), the British government set out a range of policies to speed up and support the rate of innovation. Nearly 300 million pounds has been allocated for programs aimed at driving up the rate of innovation and change. We have established a higher education innovation fund of 140 million pounds over three years to encourage knowledge transfer. We have also set up the University Challenge Fund to enable universities to provide seed funding to projects to take them forward to the point where they are of interest to venture capitalists and we have established science enterprise centres to enable science and engineering undergraduates to acquire entrepreneurial skills.

These are already beginning to show impressive results. In 1999-2000 there were 199 spin-off firms created to develop university research — compared with an average of 70 new spin-offs a year in the previous five years. That same year a survey of U.K. universities showed that they identified one spin-off firm for every 8.6 million pounds of research expenditure. The comparable figure for Canadian universities was one firm for every 13.9 million pounds, and in the U.S., interestingly, it was one for every 53.1 million.

These figures show that a transformation is taking place across the U.K., and not just in Cambridge. New businesses, jobs and technologies are springing up around our established seats of learning. There has been a sharp increase in the number of patents filed and the proportion of research income provided by the private sector in the U.K. is now at a higher level than even the U.S.

A third role which government has to carry out is regulation. Science does not take place in a vacuum. Government must help the consumer by offering a sensible regulatory framework and by keeping them informed of latest developments.

We want to move towards a more inclusive dialogue between government, scientists and the public about science and the issues it raises for society. In the case of embryonic stem cells, we had a very careful approach. First, we had two major reports considering whether there would

be major benefits from research on stem cells and was there any other way of achieving these benefits. Only when we had yes or no, we went forward to have debates and passed the legislation.

As well as improving public understanding of science, it is important for scientists and decision-makers to understand the public and listen to their views. Without this mutual understanding, there will be no productive dialogue.

Governments can also take action to create the right climate for innovation at the sub-national level. Recently established regional innovation funds enable our regional development agencies to support clusters of innovative business and incubators in their respective areas. Such clusters can raise innovation and productivity in a number of ways — companies benefit from sharing knowledge about best practice and they can reduce costs by jointly sourcing services and suppliers. Also, the interactions within clusters facilitate knowledge transfer and encourage collaboration between institutions with complementary assets and skills. The critical mass effect of clusters attracts further companies, investors, services and suppliers into the cluster as well as creating a pool of skilled labour.

Of course, governments can't create clusters; they must be business-driven and they can, and do, develop due to a variety of reasons — specialized demand, historical accident or the prior existence of related industries or institutions. However, it is the role of government to create the conditions to encourage the formation and growth of clusters and ensure that research and innovation support programs build on existing strengths so as to work with the grain of cluster development.

Science is also both competitive and internationally collaborative. So if we are to remain an innovative, forward-looking nation, we need to retain the capacity to do this work, both on our own and in collaboration with other scientists. Thus, an international network of advice is essential both to let others know what is happening in the U.K. and to make sure that we are aware of the latest developments in other countries. In March 2001 we announced that we would double the number of scientific attachés in our embassies across the world and extend geographical coverage of the network. Many of the new staff are being recruited at post to provide local expertise.

The Science and Innovation white paper published in July 2000 also included a decision that the number of international technology promoters would be doubled to 16 to enable more focus to be placed on key strategic technologies of importance to U.K. business and ensure better coverage in North America, Europe, the former Soviet Union and the Asia Pacific region.

International technology promoters are U.K.-based experts in technology transfer with both commercial and scientific backgrounds, funded by the Department of Trade and Industry, who seek out new technologies abroad on behalf of U.K. businesses and assist them in building relationships with technology owners.

I hope that today I have given you a flavour of the exciting developments taking place in the U.K. in science and technology. The U.K. government sees these developments as a priority because we believe that science and innovation can help us create a safer and healthier society, a cleaner environment and a dynamic knowledge-driven economy.



LEON ZERNITSKY